WHAT IS CLAIMED

1. A method comprising the steps of:
   a) subjecting a test site of a responsive system to a primary challenge;
   b) subjecting the test site to a secondary challenge, wherein the secondary challenge differs from the primary challenge and wherein the secondary challenge is designed to enhance, and/or prolong a response of the responsive system to the primary challenge; and
   c) assessing the response.

2. The method according to Claim 1 wherein the secondary challenge comprises a chemical challenge.

3. The method according to Claim 2 wherein the primary challenge is selected from the group consisting of physical challenges, chemical challenges, and biological challenges.

4. The method according to Claim 1 wherein the primary challenge comprises a physical challenge, and the secondary challenge comprises a physical challenge.

5. The method according to Claim 1 further comprising the steps of subjecting the test site to at least one pre-challenge intervention.

6. The method according to Claim 1 further comprising the steps of subjecting the test site to at least one intervention selected from the group consisting of concurrent-challenge intervention, post-challenge intervention, and mixtures thereof.

7. The method according to Claim 1 wherein assessing the response comprises a visual and/or TEWL measurement.

8. A study comprising the steps of:
   a) applying a primary challenge to a test site of a responsive system; applying a secondary challenge to the test site, wherein the secondary challenge differs from the primary challenge and wherein the secondary challenge is designed to enhance and/or prolong a response of the responsive system to the primary challenge; and

b) creating one or more controls selected from the group consisting of negative controls, primary controls, secondary controls, positive controls, and mixtures thereof.

9. The study according to Claim 8 comprising the additional steps of assessing a primary challenge response subsequent to the primary challenge and prior to the secondary challenge; assessing one or more secondary challenge responses one or more times after the secondary challenge; and assessing one or more control responses to the controls at the same approximate times as the primary challenge assessment and secondary challenge assessments are made; and drawing conclusions based upon the assessments.

10. The study according to Claim 8 comprising at least one additional step comprising subjecting the test site and/or one or more controls to at least one pre-challenge intervention.

11. The study according to Claim 8 comprising at least one additional step selected from the group consisting of subjecting the test site and/or one or more controls to at least one concurrent-challenge intervention, and/or subjecting the test site and/or the one or more controls to at least one post-challenge intervention.

12. A method comprising the steps of:
    a) subjecting a test site of a responsive system to a primary challenge, wherein the primary challenge comprises a chemical and/or biological challenge; and
    b) subjecting the test site to a secondary challenge, wherein the secondary challenge comprises a physical challenge and wherein the secondary challenge is designed to enhance and/or prolong a response of the responsive system to the primary challenge; and
    c) assessing the response.

13. A method according to Claim 12 wherein the secondary challenge is tape-stripping.

14. The method according to Claim 12 wherein the primary challenge comprises more than one component and/or step.

15. The method according to Claim 12 wherein the chemical and/or biological challenge is applied to the test site via a patch.

16. The method according to Claim 15 wherein the test site is skin and/or cell cultures derived therefrom.

17. The method according to Claim 16 wherein the chemical and/or biological challenge comprises applying stool and/or stool analog.

18. The method according to Claim 17 wherein the test site is subject to the primary challenge for up to about 24 hours.

19. A clinical study designed to assess affects of chemicals on preventing and/or treating diaper rash comprising the method according to Claim 16.

20. The clinical study of Claim 17 wherein the test site is an adult's forearm and the primary challenge is stool.